

## SIGNJET PRO HINTS

# Tech-Neal-Calities

## TNC-001 - Cutting High-Intensity Reflective With the CB09UA Blade

Recently, we had the pleasure of discovering something new with the status of our new blade holders and blades. We were testing the cutting of high intensity reflective and discovered that we can cut it with the CB09UA blade, a familiar blade to most of us. Previously this material required the user to purchase a different type of blade, usually the CB15U. This is a larger blade that is designed to cut thicker and harder materials. To our delight and surprise we found that we could cut high intensity reflective material with the standard blade CB09UA, using our new blade holder (PHP32 series). Below are the table of settings for the different types of reflective material.

For regular reflective, usually the setting indicated below will work the best:

<b>Blade:</b>	<b>The NEW Holder/Plunger:</b>	<b>Speed:</b>	<b>Force:</b>
CB09UA	PHP32A-CB09	20-30	25-27

For High intensity reflective:

<b>Blade:</b>	<b>The NEW Holder/Plunger:</b>	<b>Speed:</b>	<b>Force:</b>
CB09UA	PHP32A-CB09	10-20	27-29

A couple of notes related to cutting High Intensity reflective:

- Using the THICK SHEET mode is usually preferable
- For normal reflective THICK SHEET mode is usually not required.
- Be sure to keep an eye on the debris buildup around the blade. If there is buildup, blowing on the blade itself should be sufficient to remove it.

## PHP32 Series Blade Holder ... Familiarize Yourself With Its Advantages

This new blade holder/plunger has new design enhancements. One of these enhancements is the way the blade is installed. To install a blade in the previous holder you would have to drop the blade down the shaft, flick with your finger to ensure it would not hang up on the thread, and insert the shaft. This occasionally could cause blade damage or breakage. With the new holder, the tip of the holder is removable, allowing you to install the blade from the front. This will allow easier installation. If your blade holder is several years old and you feel that it is time for a new one, give us a call at 800-854-8385 to order one of these new holders.

## Getting the Best Picture from the Graphtec SignJet PRO

The Graphtec SignJet PRO. A new device to enhance your capabilities and increase your market potential. It is the hot news of the industry. This device does some really cool things with color. And as with any new device you obtain for your shop, the first inclination, after assembling your SignJet Pro, is to hook it up and start printing. As tempting as this may be, before running the SignJet PRO, it is best to perform a few preliminary steps for producing excellent results. In fact, it is prudent to repeat the following steps occasionally, depending on volume.

Once the ink has been primed through the tube and into the cartridges, perform a PRIME TEST to first make sure the ink has reached all of the firing points.

To do this, perform the following:

- Press the TEST key and then press the F4 key for PRIME TEST.
  - This will print a pattern where the 4 CYMK colors will display.
  - If the pattern is distorted, the ink has to be drawn by using the suction cup. (See Page 4-11 of your User's Manual)

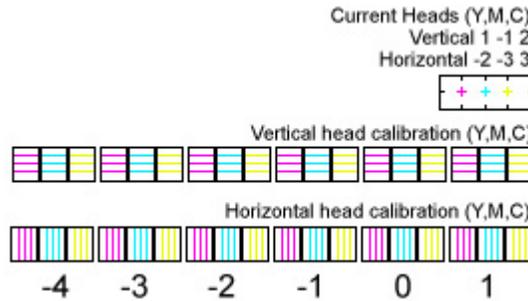
Once you have a consistent pattern on the PRIME TEST, the cartridge should be calibrated by following these steps:

1. Press PAUSE and then NEXT DISPLAY twice.
2. Press the F3 key for ADJ. CRT. (ADJust CaRtridges)

When the F3 key is pressed, the following menu appears...

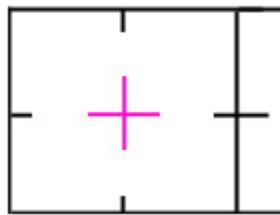


...and the calibration pattern is printed as shown below.

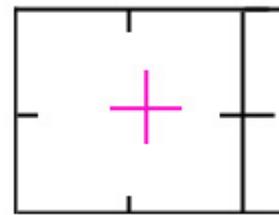


Use the "Vertical head calibration (Y,M,C) to calibrate the cyan, magenta and yellow cartridges. The numbers below the pattern will reflect the values to change the Horizontal and Vertical.

For instance, if the current head location of the magenta is as follows:



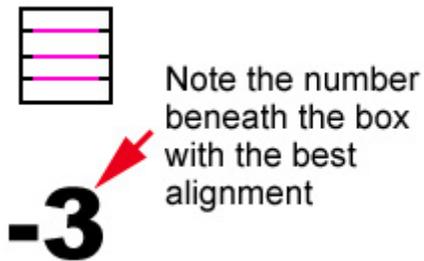
Good alignment



Poor alignment

In the example at left, the magenta "+" is aligned well with the black square. In the example at right, the alignment is poor.

For the Vertical alignment, examine the Vertical head calibration (Y,M,C) pattern. Determine the value where the lines match perfectly with the black alignment marks. The correct value to enter is below the matched lines .



To adjust the head do the following:

1. Press F3 key.
2. Press the UP ARROW key until MAGENTA appears.
3. Press the F4 key.
4. Press the UP or DOWN ARROW key to the correct value

Repeat these instruction for adjusting the Horizontal alignment except on step 3 press F2 for HORZ=0.

Continue this procedure with each color until the "Current head calibrations" match perfectly.

Press PAUSE.

### **Setting the Software for the best results.**

Two items to remember:

- Make sure you have the correct driver selected.
- Make sure you have the correct calibration file selected.

The second item is what most users fail to do. This is important because the color calibration for one type of material is completely different from another. As a result, you may not get the desired result you may want.